

### REMARKS

Reconsideration of the above-identified application in view of the preceding amendments and the following remarks is respectfully requested.

New Claims 47-51 are now the only claims under consideration in this application. Claims 32 and 33 have been previously withdrawn from consideration as being directed to non-elected subject matter. Claims 1-31 and 34-46 have been cancelled from this application without prejudice. Applicant reserves the right to prosecute these cancelled claims in a related application. No new matter has been added to the subject application by this amendment.

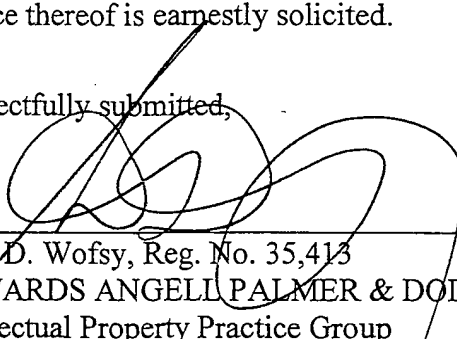
In the Office Action, the Examiner raised prior art rejections directed to claims that are no longer under consideration in this application. Those rejections have therefore been obviated and should be withdrawn.

New independent Claim 47 and dependent Claims 48-51 have been added to the subject application. In view of the prior art of record, new Claim 47 is believed to be directed to patentable subject matter. Moreover, none of the prior art of record in this application discloses or suggests, either alone or in combination, in whole or in part, a method for applying a metallurgical coating to a superalloy substrate which comprises the steps of roughening the surface of a superalloy substrate through grit blasting, directing a water jet against the roughened surface of the substrate to modify the surface, depositing a metallurgical coating on the modified surface of the substrate by high velocity oxygen fuel spray, vacuum heat treating the coated substrate to produce a diffusion zone between the metallurgical coating and the superalloy substrate, subjecting the coated substrate to hot isostatic pressing to densify and reduce porosity of the metallurgical coating, and depositing at least a second metallurgical coating layer to the

coated substrate. Accordingly, new Claim 47 and Claims 48-51 which depend therefrom are directed to patentable subject matter, and allowance thereof is earnestly solicited.

Respectfully submitted,

Date: June 1, 2006



\_\_\_\_\_  
Scott D. Wofsy, Reg. No. 35,413  
EDWARDS ANGELL PALMER & DODGE, LLP  
Intellectual Property Practice Group  
P.O. Box 55874  
Boston, MA 02205  
(203) 353-6831